

For Research Use Only

CD64 Polyclonal antibody, PBS Only

Catalog Number: 27563-1-PBS



Basic Information

Catalog Number:

27563-1-PBS

Size:

100ug, Concentration: 1 mg/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG26727

GenBank Accession Number:

BC032634

GeneID (NCBI):

2209

ENSEMBL Gene ID:

ENSG00000150337

UNIPROT ID:

P12314

Full Name:

Fc fragment of IgG, high affinity Ia, receptor (CD64)

Calculated MW:

374 aa, 43 kDa

Observed MW:

65-70 kDa, 43-45 kDa

Purification Method:

Antigen affinity purification

Applications

Tested Applications:

WB, IF/ICC, Indirect ELISA

Species Specificity:

human

Background Information

Fcγ receptor comprise a multigene family of integral membrane glycoproteins that exhibit complex activation or inhibitory effects on cell functions after aggregation by complexed immunoglobulin G (IgG) (PMID: 17005690). CD64, also known as Fcγ R1A, is a high affinity receptor for the Fc region of IgG. It is expressed by monocytes/macrophages, activated neutrophils, dendritic cells, and early myeloid cells (PMID: 23293080; 19642859; 7680917). CD64 functions in both innate and adaptive immune responses. The calculated molecular weight of CD64 is 43 kDa, while the glycosylated CD64 has a higher apparent molecular weight.

Storage

Storage:

Store at -80°C.

Storage Buffer:

PBS only

For technical support and original validation data for this product please contact:

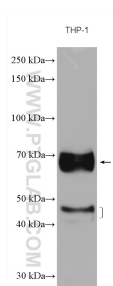
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

E: proteintech@ptglab.com

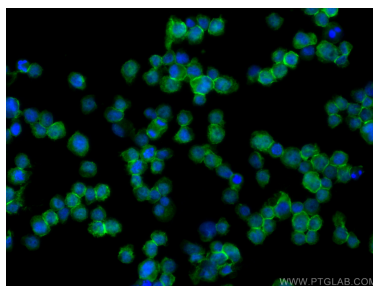
W: ptglab.com

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Selected Validation Data



THP-1 cells were subjected to SDS PAGE followed by western blot with 27563-1-AP (CD64 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 27563-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed THP-1 cells using CD64 antibody (27563-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2). This data was developed using the same antibody clone with 27563-1-PBS in a different storage buffer formulation.